

Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; DISPLAY; WATER; ABSORB; LAYER; PRESET; THICK; FIX; INTERNAL; PERIPHERAL; CONTAINER; PORTION; SEAL ; INTERNAL; PERIPHERAL; SUBSTRATE

Derwent Class: A11; A85; L03; U14

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/10; H05B-033/14

File Segment: CPI; EPI

Manual Codes (CPI/A-N): A12-E11A; L03-C04B

Manual Codes (EPI/S-X): U14-J02B

Polymer Indexing (PS):

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001 018; P0000

002 018; ND01; K9416; K9701 K9676; K9483-R; Q9999 Q7512

WPI Acc No: 2000-509853/ 200046

XRXPX Acc No: N00-377471

Organic electroluminescent element used for display, has water catching agent fixed along surface of corrugated portion formed by the meeting of bases and micro recesses of sealing unit

Patent Assignee: FUTABA DENSHI KOGYO KK (FUTK)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000195663	A	20000714	JP 98373544	A	19981228	200046 B

Priority Applications (No Type Date): JP 98373544 A 19981228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000195663	A	8	H05B-033/04	

Abstract (Basic): JP 2000195663 A

NOVELTY - The element (6) includes an organic layer (4) formed on an insulated substrate (2) and pinched between the electrodes (3,5). A sealing unit (7) is fixed to the substrate, sealing the element in the dry condition. The sealing unit has a corrugated portion formed by the meeting of the bases (7aa) and micro recesses (7ab). A water catching agent (11) is fixed along the surface of the corrugated portion.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an organic electroluminescent element manufacture.

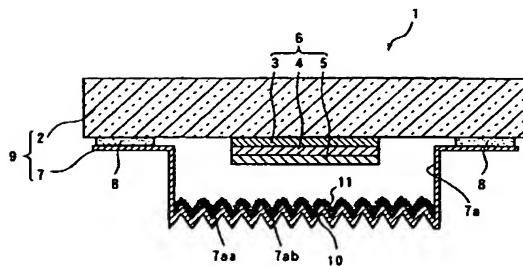
USE - Used for display.

ADVANTAGE - Allows specific surface area of water catching agent to be enlarged, thereby enabling water and gas molecules existing in

element after sealing to be efficiently caught and preventing generation and growth of dark spots. Enables stable reproduction of electroluminescent element.

DESCRIPTION OF DRAWING(S) - The figure is the sectional view of the organic electroluminescent element.

Substrate (2)
Electrode (3, 5)
Organic layer (4)
Element (6)
Sealing unit (7)
Base (7aa)
Micro recess (7ab)
Water catching agent (11)
pp; 8 DwgNo 1/6



Title Terms: ORGANIC; ELECTROLUMINESCENT; ELEMENT; DISPLAY; WATER; CATCH; AGENT; FIX; SURFACE; CORRUGATED; PORTION; FORMING; BASE; MICRO; RECESS; SEAL; UNIT

Derwent Class: U14

International Patent Class (Main): H05B-033/04

International Patent Class (Additional): H05B-033/10; H05B-033/14

File Segment: EPI

Manual Codes (EPI/S-X): U14-J

WPI Acc No: 2000-659099/ 200064

XRAM Acc No: C00-200072

XRXPX Acc No: N00-488544

Moisture absorption film used in organic electroluminescence display device, includes alkaline earth monoxide film formed by PVD method, using alkaline earth peroxide as starting material

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000260562	A	20000922	JP 9965508	A	19990311	200064 B

Priority Applications (No Type Date): JP 9965508 A 19990311

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000260562	A	8		H05B-033/04	

Abstract (Basic): JP 2000260562 A

NOVELTY - The moisture absorption film (6) consists of alkaline earth monoxide (BaO) film formed by PVD method. Alkaline earth peroxide (BaO₂) is used as a starting material during formation of BaO film.